

ABSTRACT

A video projector of the present invention includes a laser projection unit (50) that has linear-polarization short-wavelength laser light sources (1)~(3) and emits laser lights from the laser light sources, a lens system (6a) that collects the laser lights from the laser projection unit (50), a liquid crystal cell (7) that spatially modulates the collected laser lights, a camera shake correcting optical system (110) that is capable of translating vertically and horizontally on a plane that is perpendicular to the optical axis of the laser projection unit (50), a prism (24) that transmits the laser lights from the liquid crystal cell (7) and branches the light reflected by the screen (10), and a camera device (60) that can observe or capture the video image that is branched by the prism (24). The present invention provides a video projector that can prevent the camera shake and can be held in hands.